

GitHub Daily Update Bot

This Python script automatically appends the current date and time to a specified text file in a GitHub repository daily. The bot uses GitHub's API to commit updates and can be easily hosted on PythonAnywhere for automation.

Features

- Appends the current date and time to a text file in your GitHub repository daily
- Commits and pushes updates automatically

Prerequisites

- **Python 3.x** installed locally for testing
- **GitHub account** with a repository containing a target text file (e.g., update_log.txt)
- **GitHub personal access token** with repo permissions

Setup

1. Clone or Download this Repository:

Download the script or clone it using:

git clone https://github.com/ketansharma1411/GitHub_Bot.git

2. Set Up GitHub Personal Access Token:

- Go to GitHub **Settings > Developer settings > Personal access tokens**.
- Generate a token with repo permissions and store it securely.

3. Edit the Script:

- Open the script file and update the following variables:

```
GITHUB_USERNAME = "your_username"
```

```
GITHUB_TOKEN = "your_token"
```

```
REPO_NAME = "your_repo_name"
```

```
FILE_PATH = "update_log.txt" # Ensure this matches the filename in your GitHub repo
```

4. Run Locally for Testing (Optional):

- Run the script to test locally:

```
python daily_update_bot.py
```
- Check your GitHub repository to confirm updates.

Automate on PythonAnywhere

To run this script daily without relying on your computer, use PythonAnywhere's free tier:

1. Create a PythonAnywhere Account:

- Sign up at pythonanywhere.com.

2. Upload the Script:

- Go to the **Files** section in PythonAnywhere.
- Upload your `daily_update_bot.py` script.

3. Set Up a Scheduled Task:

- Go to the **Tasks** tab.
- Click **Add a new scheduled task**.
- Enter the command:

```
python3 /home/your_username/daily_update_bot.py
```

#Replace your_username with your PythonAnywhere username.

- Set the frequency to **daily** and save.

4. Verify:

- The script will now run daily at the set time. Check your GitHub repo for updates.

License

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